

1. REQUEST NO. <b>S-IN650-11-R-0098</b>	2. DATE ISSUED <b>September 20, 2011</b>	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
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5A. ISSUED BY <b>Contracting Officer,</b> <b>American Embassy, New Delhi - INDIA</b> <b>Chandragupta Marg, Gate 'C', Chanakyapuri, New Delhi 110021</b>	6. DELIVER BY (Date)
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5B. FOR INFORMATION CALL: (Name and telephone no.) (No collect calls)		7. DELIVERY <input type="checkbox"/> FOB DESTINATION <input checked="" type="checkbox"/> OTHER (See Schedule)
NAME <b>MONICA E. MADRID</b>	TELEPHONE NUMBER	
AREA CODE <b>91-11</b>	NUMBER <b>24198728</b>	

8. TO:	9. DESTINATION
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a. NAME	b. COMPANY	a. NAME OF CONSIGNEE <b>American Embassy</b>
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c. STREET ADDRESS	b. STREET ADDRESS <b>Chandragupta Marg, Gate 'C', Chanakyapuri</b>
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d. CITY	e. STATE	f. ZIP CODE	c. CITY <b>New Delhi - India</b>
			d. STATE <b>Delhi</b>
			e. ZIP CODE <b>110021</b>

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE (Date) <b>September 26, 2011 by 1500 hours</b>	<b>IMPORTANT:</b> This is a request for information, and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter
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11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
<b>SEE ATTACHED SCHEDULE</b>					

12 DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS %	b. 20 CALENDAR DAYS %	c. 30 CALENDAR DAYS %	d. CALENDAR DAYS
				NUMBER    %

NOTE: Additional provisions and representations  are  are not attached.

13 NAME AND ADDRESS OF QUOTER		14 SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION	15 DATE OF QUOTATION
a. NAME OF QUOTER		16. SIGNER	
b. STREET ADDRESS			
c. COUNTY		a. NAME (Type or print)	b. TELEPHONE
d. CITY	e. STATE	f. ZIP CODE	c. TITLE (Type or print)
			AREA CODE
			NUMBER

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SF 18 or SF 1442 cover sheet

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## REQUEST FOR QUOTATIONS

### A. PRICE

The contractor shall complete all work, including furnishing all labor, material, equipment and services required under this purchase order for the following firm fixed price and within the time specified herein. This price shall include all labor, materials, overhead and profit.

\_\_\_\_\_ **Total Price c/o from Attachment 2**

B – SCOPE OF WORK – Refer Attachment 3 for complete scope of work.

Drawings: In case of differences between small and large scale drawings, the later will govern. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

Administration: Contractor shall provide a submittal within 10 days after contract award documenting cable routing.

Contractor shall label all cabling and receptacle boxes. Contractor shall provide as-builts or records management documentation (labels, records, drawings, etc) showing all cable terminations and cross-connects.

Security: Work in some areas will require a cleared American escort. ***In consultation with IMO (Information Management Officer) identify on the drawings which areas will require escorts by color coding areas. This is necessary to alleviate any disruption claims that may later arise.***

Testing: The contractor shall perform pre-qualification testing during installation to insure quality control and that the cabling system will pass qualification testing.

Removal of Existing Wiring: Upon completion and passing of tests identified above, contractor shall remove old cabling. This shall be done minimizing any property damage to walls, ceilings, carpets effected by the removal. Contractor is responsible for restoring walls, ceiling, and carpeting to their original condition. If cutting is necessary it shall not impair structural stability of the building and system and contractor shall patch and paint (if on wall or ceiling) effected areas.

Patching & Repair: Patching Material shall match existing materials in type and quality and be specifically designed to fill holes, spaces, and voids and cavities at communication penetrations and where old cabling removed. Patching material shall be made of firestopping materials. Restore patched surfaces as close to the original condition and finish as possible. Where patching occurs smooth surface to be painted and extend, paint coat over entire unbroken surface containing the patched area. Patched areas shall be primed first and finished with two coats of paint so that patch blends into existing surface.

## C. PACKAGING AND MARKING

Materials delivered to the site shall be marked as follows:

***American center Building  
American Embassy – New Delhi  
24, Kasturba Gandhi Marg  
New Delhi – 110 001***

## D. INSPECTION AND ACCEPTANCE

The COR, or his/her authorized representatives, will inspect from time to time the services being performed under this contract and the supplies furnished to determine whether work is being performed in a satisfactory manner, and that all supplies are of acceptable quality and standards.

The Contractor shall be responsible for any countermeasures or corrective action, within the scope of this contract, which may be required by the Contracting Officer as a result of such inspection.

### Substantial Completion

#### Definitions:

(a) "*Substantial Completion*" means the stage in the progress of the work as determined and certified by the Contracting Officer in writing to the Contractor, on which the work (or a portion designated by the Government) is sufficiently complete and satisfactory. Substantial completion means that the property may be occupied or used for the purpose for which it is intended, and only minor items such as touch-up, adjustments, and minor replacements or installations remain to be completed or corrected which:

- (1) do not interfere with the intended occupancy or utilization of the work, and
- (2) can be completed or corrected within the time period required for final completion.

(b) The "*date of substantial completion*" means the date determined by the Contracting Officer or authorized Government representative as of which substantial completion of the work has been achieved.

Use and Possession upon Substantial Completion - The Government shall have the right to take possession of and use the work upon substantial completion. Upon notice by the Contractor that the work is substantially complete (a Request for Substantial Completion) and an inspection by the Contracting Officer or an authorized Government representative (including any required tests) the Contracting Officer shall furnish the Contractor a Certificate of Substantial Completion, accompanied by the Schedule of Defects listing items of work remaining to be

performed, completed or corrected before final completion and acceptance. Failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The Government's possession or use upon substantial completion shall not be deemed an acceptance of any work under the contract.

#### Final completion and Acceptance

##### Definitions:

(a) "*Final completion and acceptance*" means the stage in the progress of the work as determined by the Contracting Officer and confirmed in writing to the Contractor, on which all work required under the contract has been completed in a satisfactory manner, subject to the discovery of defects after final completion, and except for items specifically excluded in the notice of final acceptance.

(b) The "*date of final completion and acceptance*" means the date determined by the Contracting Officer when final completion of the work has been achieved, as indicated by written notice to the Contractor.

Final Inspection and Tests - The Contractor shall give the Contracting Officer at least five (5) days advance written notice of the date the work will be fully completed and ready for final inspection and tests. Final inspection and tests will be started not later than the date specified in the notice unless the Contracting Officer determines that the work is not ready for final inspection and so informs the Contractor.

##### Final Acceptance

If the Contracting Officer is satisfied that the work under the contract is complete (with the exception of continuing obligations), the Contracting Officer shall issue to the Contractor a notice of final acceptance and make final payment upon:

- satisfactory completion of all required tests,
- a final inspection that all items by the Contracting Officer listed in the Schedule of Defects have been completed or corrected and that the work is finally complete (subject to the discovery of defects after final completion), and
- submittal by the Contractor of all documents and other items required upon completion of the work, including a final request for payment.

## E - DELIVERIES OR PERFORMANCE

### 52.211-10 Commencement, Prosecution, and Completion of Work (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 30 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently. The time stated for completion shall include final cleanup of the premises and completion of punch-list items.

### 52.211-12 Liquidated Damages - Construction (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of \$618 for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

### Contractor's Submission of Schedules

(a) The time for submission of the schedules referenced in FAR 52.236-15, "Schedules for Construction Contracts", paragraph (a), is hereby modified to reflect the due date for submission as **10** calendar days after receipt of an executed contract".

(b) These schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval.

(c) The Contractor shall revise such schedules (1) to account for the actual progress of the work, (2) to reflect approved adjustments in the performance schedule, and (3) as required by the Contracting Officer to achieve coordination with work by the Government and any separate contractors employed by the Government. The Contractor shall submit a schedule which sequences work so as to minimize disruption at the jobsite.

(d) All deliverables shall be in the English language, unless otherwise provided hereunder, and any system of dimensions (i.e., English or metric) shown shall be consistent with that used in the contract. No extension of time shall be allowed on account of a delay by the Government in approving such deliverables if the Contractor has failed to act promptly and responsively in submitting its deliverables. Each deliverable shall be identified as required by the contract.

(e) Acceptance of Schedule: When the Government has accepted any time schedule, it shall be binding upon the Contractor. The completion date is fixed and may be extended only by a written contract modification signed by the Contracting Officer. Acceptance or approval of

any schedule or revision thereof by the Government shall not (1) extend the completion date or obligate the Government to do so, (2) constitute acceptance or approval of any delay, nor (3) excuse the Contractor from or relieve the Contractor of its obligation to maintain the progress of the work and achieve final completion by the established completion date.

#### Notice of Delay

If the Contractor receives a notice of any change in the work, or if any other conditions arise which are likely to cause or are actually causing delays which the Contractor believes may result in completion of the project after the completion date, the Contractor shall notify the Contracting Officer of the effect, if any, of such change or other conditions upon the approved schedule, and shall state in what respects, if any, the relevant schedule or the completion date should be revised. The Contractor shall give notice not more than ten (10) days following the first occurrence of event giving rise to the delay or prospective delay. Revisions to the approved time schedule shall only be made with the approval of the Contracting Officer.

#### Notice to Proceed

(a) Following receipt from the Contractor of any bonds or evidence of insurance within the time specified in Section G of this order, and following acceptance of these documents by the Contracting Officer, the Contracting Officer will provide to the Contractor a Notice to Proceed. The Contractor must then prosecute the work required hereunder, commencing and completing performance not later than the time period established in the contract.

(b) It is possible that the Contracting Officer may elect to issue the Notice to Proceed prior to receipt and acceptance of any bonds or evidence of insurance required hereunder. Issuance of a Notice to Proceed by the Government before receipt of the required bonds or insurance certificates or policies shall not be a waiver of the requirement to furnish these documents.

#### Working Hours

All work shall be performed *within 90 days*. Other hours, if requested by the Contractor, may be approved by the COR. The Contractor shall give 24 hours notification in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

#### Pre-construction Conference

A preconstruction conference will be held 10 days after contract award at American Center Building, 24, Kasturba Gandhi Marg, New Delhi, to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, PreConstruction Conference.

## Deliverables

The following items shall be delivered under this contract:

<u>Description</u>	<u>Quantity</u>	<u>Delivery Date</u>	<u>Deliver to:</u>
G. Securities/Insurance	1	10 days after award	CO
E. Construction Schedule	1	10 days after award	COR
E PreConstruction Conference	1	10 days after award	COR
G. Bios on Personnel	1	10 days after award	COR
F. Payment Request	1	last calendar day of each month	COR
D. Request for Substantial Completion 1		5 days before inspection	COR
D Request for Final Acceptance	1	5 days before inspection	COR
B. Installation Submittal	1	10 days after contract award	COR

## F ADMINISTRATIVE DATA

### 652.242-70 CONTRACTING OFFICER'S REPRESENTATIVE (COR) (AUG 1999)

(a) The Contracting Officer may designate in writing one or more Government employees, by name or position title, to take action for the Contracting Officer under this contract. Each designee shall be identified as a Contracting Officer's Representative (COR). Such designation(s) shall specify the scope and limitations of the authority so delegated; provided, that the designee shall not change the terms or conditions of the contract, unless the COR is a warranted Contracting Officer and this authority is delegated in the designation.

(b) The COR for this contract is - ***Mark A. McCloy (Information Program Supervisor)***

Payment: The Contractor's attention is directed to Section H, 52.232-5, "Payments Under Fixed-Price Construction Contracts". The following subsections elaborate upon the information contained therein.

Each application for payment, which shall be made no more frequently than monthly, unless otherwise provided herein, shall cover the value of labor and materials completed and in place, including a prorated portion of overhead and profit.

Following receipt of the Contractor's request for payment, and on the basis of an inspection of the work, the Contracting Officer shall make a determination as to the amount which, in his/her opinion, is then due. In the event the Contracting Officer does not approve payment of the full amount applied for, less the retainage addressed in 52.232-5, the Contracting Officer shall advise the Contractor of the reasons therefore.

Under the authority of 52.232-27(a) the 14 day period identified in FAR 52.232-27(a)(1)(i)(A) is hereby changed to 30 days.

The contractor shall show Value Added Tax (VAT) as a separate item on invoices submitted for payment.

The Contractor shall address invoices to:

**Financial Management Officer  
American Embassy  
Shantipath  
Chanakyapuri  
New Delhi - 110021**

## G. SPECIAL REQUIREMENTS

### G.1 BONDS/IRREVOCABLE LETTERS OF CREDIT REQUIRED

The Contractor shall furnish (1) a performance and guaranty bond and a payment bond on forms provided by and from sureties acceptable to the Government, such as bank guaranty shown as an **Attachment - 1**.

#### TIME FOR SUBMISSION

The Contractor shall provide the bonds or alternate security as required above within ten (10) days after contract award. Failure to submit (1) the required bonds or other security acceptable to the Government in a timely manner; may result in rescinding or termination of the contract by the Government. If the contract is terminated, the contractor will be liable for those costs as described in FAR 52.249-10, "Default (Fixed-Price Construction).

#### COVERAGE

The bonds or alternate performance security shall guarantee the Contractor's execution and completion of the work within the contract time and the correction of any defects after completion as required by this contract, the payment of all wages and other amounts payable by the Contractor under its subcontracts or for labor and materials, and the satisfaction or removal of any liens or encumbrances placed on the work.

#### DURATION OF COVERAGE

The required performance and payment securities shall remain in effect in the full amount required until final acceptance of the project by the Government. Upon final acceptance, the penal sum of the performance security only shall be reduced to 10% of the contract price. The performance security shall remain in effect for one year after the date of completion and acceptance, and the Contractor shall pay any premium required for the entire period of coverage. The requirement for payment security terminates at final acceptance.

G.2 Insurance - The Contractor is required by 52.228-5, "Insurance - Work on a Government Installation" to provide whatever insurance is legally necessary. The Contractor, shall, at its own expense, provide and maintain during the entire performance period the following insurance amounts:

General Liability (includes premises/operations, collapse hazard, products, completed operations, contractual, independent contractors, broad form property damage, personal injury)

1. Bodily Injury on or off the site stated in US Dollars:

Per Occurrence	<b><i>Rs.100,000</i></b>
Cumulative	<b><i>Rs.1,000,000</i></b>

2. Property Damage on or off the site in US Dollars:	
Per Occurrence	<b><i>Rs.100,000</i></b>
Cumulative	<b><i>Rs.1,000,000</i></b>

The foregoing types and amounts of insurance are the minimums required. The Contractor shall obtain any other types of insurance required by local law or that are ordinarily or customarily obtained in the location of the work. The limit of such insurance shall be as provided by law or sufficient to meet normal and customary claims.

The Contractor agrees that the Government shall not be responsible for personal injuries or for damages to any property of the Contractor, its officers, agents, servants, and employees, or any other person, arising from and incident to the Contractor's performance of this contract. The Contractor shall hold harmless and indemnify the Government from any and all claims arising therefrom, except in the instance of gross negligence on the part of the Government.

The Contractor shall obtain adequate insurance for damage to, or theft of, materials and equipment in insurance coverage for loose transit to the site or in storage on or off the site.

The general liability policy required of the Contractor shall name "the United States of America, acting by and through the Department of State", as an additional insured with respect to operations performed under this contract.

The Contractor shall provide evidence of the insurance required under this purchase order within ten (10) calendar days after award. Failure to timely submit this evidence, in a form acceptable to the Contracting Officer, may result in rescinding or termination of the contract by the Government.

### G.3 Document Descriptions

G.3.1 Supplemental Documents : The Contracting Officer shall furnish from time to time such detailed drawings and other information as is considered necessary, in the opinion of the Contracting Officer, to interpret, clarify, supplement, or correct inconsistencies, errors or omissions in the Contract documents, or to describe minor changes in the work not involving an increase in the contract price or extension of the contract time. The Contractor shall comply with the requirements of the supplemental documents, and unless prompt objection is made by the Contractor within 20 days, their issuance shall not provide for any claim for an increase in the Contract price or an extension of contract time.

G.3.2 Record Documents. The Contractor shall maintain at the project site:

- a current marked set of drawings indicating all interpretations and clarification, contract modifications, change orders, or any other departure from the contract requirements approved by the Contracting Officer; and,
- a complete set of record shop drawings, product data, samples and other submittals as approved by the Contracting Officer.

G.3.3 "As-Built" Documents: After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- complete sets of "as-built" drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished; and,
- record shop drawings and other submittals, in the number and form as required by the specifications.

#### G.4 Laws and Regulations

The Contractor shall, without additional expense to the Government, be responsible for complying with all laws, codes, ordinances, and regulations applicable to the performance of the work, including those of the host country, and with the lawful orders of any governmental authority having jurisdiction. Host country authorities may not enter the construction site without the permission of the Contracting Officer. Unless otherwise directed by the Contracting Officer, the Contractor shall comply with the more stringent of the requirements of such laws, regulations and orders and of the contract. In the event of a conflict among the contract and such laws, regulations and orders, the Contractor shall promptly advise the Contracting Officer of the conflict and of the Contractor's proposed course of action for resolution by the Contracting Officer.

The Contractor shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety, and similar matters, to the extent that such compliance is not inconsistent with the requirements of this contract.

The Contractor shall give written assurance to the Contracting Officer that all subcontractors and others performing work on or for the project have obtained all requisite licenses and permits.

Proper documentation and evidence satisfactory to the Contracting Officer of compliance with this clause shall be submitted by the Contractor at such times as directed by the Contracting Officer.

#### G.5 Construction Personnel

The Contractor shall maintain discipline at the site and at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst those employed at the site and for the preservation of peace and protection of persons and property in the neighborhood of the project against the same. The Contracting Officer may require, in writing, that the Contractor remove from the work any employee that the Contracting Officer deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the project is deemed by the Contracting Officer to be contrary to the Government's interests.

If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give

notice, including all relevant information, to the Contracting Officer.

After award, the Contractor has ten calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take 20 to 30 days to perform. For each individual the list shall include:

**Full Name**  
**Place and Date of Birth**  
**Current Address**  
**Identification number**

Failure to provide any of the above information may be considered grounds for rejections and/or resubmittal of the application. Once the Government has completed the security screening and approved the applicants a badge will be provided to the individual for access to the site. This badge may be revoked at any time due to the falsification of data, or misconduct on site.

The manager assigned by the contractor to superintend the work on-site, as required by Section H, 52.236-6, "Superintendence by the Contractor", shall be fluent in written and spoken English. This individual shall also be considered a key personnel under the terms of this purchase order.

#### G.6 Materials and Equipment

All materials and equipment incorporated into the work shall be new and for the purpose intended, unless otherwise specified, and all workmanship shall be of good quality and performed in a skillful manner as determined by the Contracting Officer.

##### G.6.1 Custody of Materials

The Contractor shall be responsible for the custody of all materials received for incorporation into the project, including Government furnished materials, upon delivery to the Contractor or to any person for whom it is responsible, including subcontractors. The Contractor shall deliver all such items to the site as soon as practicable. If required by the Contracting Officer, the Contractor shall clearly mark in a manner directed by the Contracting Officer all items of which the Contractor has custody but which have not been delivered or secured at the site, clearly indicating the use of such items for the U.S. Government project.

##### G.6.2 Basis of Contract Price

The contract price is based on the use of the materials, products and equipment specified in the contract, except for substitutions or "Or-Equal" items proposed by the Contractor which have been specifically approved by the Government at the time of execution of the contract. Any substitution approved by the Government after execution of the contract shall be subject to an appropriate adjustment of the contract price.

### G.6.3 Substitutions

(a) Prior approval required. The Contractor must receive approval in writing from the Contracting Officer before substitutions (1) proposed by the Contractor but not yet approved at the time of execution of the contract, or (2) proposed by the Contractor after execution of the contract may be used in the project. Sufficient information to permit evaluation by the Government must accompany any substitution request including but not limited to the reasons for the proposed substitution and data concerning the design, appearance, performance, composition, and relative cost of the proposed substitute. The Contractor shall make requests for substitutions in a timely manner to permit adequate evaluation by the Government. If, in the Contracting Officer's opinion, the use of such substitute items is not in the best interests of the Government, the Contractor must obtain the items originally specified with no adjustment in the contract price or completion date.

(b) Approval through shop drawings. The Contractor may propose substitutions of materials in the submittal of shop drawings, provided such substitution is specifically requested in writing in the transmittal of the shop drawings to the Contracting Officer. Such substitution requests must be made in a timely manner and supported by the required information.

(c) Final approval on delivery. Acceptance or approval of proposed substitutions under the contract are conditioned upon approval of items delivered at the site or approval by sample. Approval by sample shall not limit the Government's right to reject material after delivery to the site if the material does not conform to the approved sample in all material respects.

### G.6.4 "Or-Equal Clause"

References in the Specifications/Statement of Work to materials, products or equipment by trade name, make, or catalog number, or to specific processes, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may propose for approval or rejection by the Contracting Officer the substitution of any material, product, equipment or process that the Contractor believes to be equal to or better than that named in the Specifications/Statement of Work, unless otherwise specifically provided in this contract.

### G.7 Special Warranties

Any special warranties that may be required under the contract shall be subject to the stipulations set forth in 52.246-21, "Warranty of Construction", insofar as they do not conflict with the provisions of such special warranties.

The Contractor shall obtain and furnish to the Government all information which is required in order to make any subcontractor's, manufacturer's, or supplier's guarantee or warranty legally binding and effective, and shall submit both the information and the guarantee or warranty to the Government in sufficient time to permit the Government to meet any time limit requirements specified in the guarantee or warranty, but not later than completion and acceptance of all work under this contract.

## G.8 Equitable Adjustments

Any circumstance for which the contract provides an equitable adjustment, that causes a change within the meaning of paragraph (a) of the "Changes" clause shall be treated as a change under that clause; provided, that the Contractor gives the Contracting Officer prompt written notice within a limit of 20 days stating (a) the date, circumstances, and applicable contract clause authorizing an equitable adjustment and (b) that the Contractor regards the event as a changed condition for which an equitable adjustment is allowed under the contract.

The Contractor shall provide written notice of a differing site condition within 10 calendar days of occurrence in accordance with additional information provided in FAR 52.236-4, Differing Site Condition.

DOSAR 652.235-70 Accident Prevention (AUG 1999)

(a) General. The Contractor shall provide and maintain work environments and procedures which will (1) safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to Contractor operations and activities; (2) avoid interruptions of Government operations and delays in project completion dates; and (3) control costs in the performance of this contract. For these purposes, the Contractor shall—

- (1) Provide appropriate safety barricades, signs and signal lights;
- (2) Comply with the standards issued by any local government authority having jurisdiction over occupational health and safety issues; and
- (3) Ensure that any additional measures the Contracting Officer determines to be reasonably necessary for this purpose are taken.

(b) Records. The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft or loss of property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by the Contracting Officer.

(c) Subcontracts. The Contractor shall be responsible for its subcontractors' compliance with this clause.

(d) Written Program. Before commencing the work, the Contractor shall—

- (1) Submit a written proposal for implementing this clause; and
- (2) Meet with the Contracting Officer to discuss and develop a mutual understanding relative to administration of the overall safety program.

(e) Notification. The Contracting Officer shall notify the Contractor of any non-compliance with these requirements and the corrective actions required. This notice, when delivered to the Contractor or the Contractor's representative at site, shall be deemed sufficient notice of the non-compliance and corrective action required. After receiving the notice, the Contractor shall immediately take correction action. If the Contractor fails or refuses to

promptly take corrective action, the Contracting Officer may issue an order suspending all or part of the work until satisfactory corrective action has been taken. The Contractor shall not be entitled to any equitable adjustment of the contract price or extension of the performance schedule on any suspension of work issued under this clause.

#### G.9 Public notification

The Contractor agrees not to use the work under this purchase order to promote or advertise its' business, without the written approval of the Contracting Officer.

## H. CLAUSES

### 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://acquisition.gov/far/index.html> or, <http://farsite.hill.af.mil/search.htm>

These addresses are subject to change. If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Dept. of State Acquisition Website at **Error! Reference source not found.** to see the links to the FAR. You may also use an internet “search engine” (e.g., Yahoo, Excite, Alta Vista, etc.) to obtain the latest location of the most current FAR.

### FEDERAL ACQUISITION REGULATION (48 CFR CH. 1)

<u>Clause</u>	<u>Title and Date</u>
52.204-9	PERSONAL IDENTIFICATION VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (JUL2010)
52.209-6	Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (DEC 2010)
52.213-4	Terms and Conditions-Simplified Acquisitions (Other than Commercial Items) (OCT 2010)
52.222-1	Notice to the Government of Labor Disputes (FEB 1997)
52.222-19	Child Labor – Cooperation with Authorities and Remedies (JULY 2010)
52.222-50	COMBATING TRAFFICKING IN PERSONS (FEB 2009)
52.223-18	Contractor Policy to Ban Text Messaging While Driving (AUG 2011)
52.225-13	Restrictions on Certain Foreign Purchases (FEB 2006)
52.225-14	Inconsistency Between English Version and Translation of Contract (AUG 1989)
52.227-3	Patent Indemnities (APR 1984)
52.228-4	Workers' Compensation and War-Hazard Insurance Overseas (APR 1984)
52.228-5	Insurance - Work on a Government Installation (JAN 1997)
52.228-11	Pledges of Assets (FEB 1990)
52.228-13	Alternative Payment Protection (JUL 2000)
52.229-6	Taxes - Foreign Fixed-Price Contracts (JUN 2003)
52.232-5	Payments under Fixed-Price Construction Contracts (SEP 2002)

52.232-8	Discounts for Prompt Payment (FEB 2002)
52.232-11	Extras (APR 1984)
52.232-17	Interest (OCT 2010)
52.232-18	Availability of Funds (APR 1984)
52.232-24	Prohibition of Assignment of Claims (JAN 1986)
52.232-27	Prompt Payment for Construction Contracts (OCT 2008)
52.232-33	Mandatory Information for Electronic Funds Transfer (AUG 1996)
52.232-34	Payment by Electronic Funds Transfer – Other than Central Contractor Registration (MAY 1999)
52.233-1	Disputes (JUL 2002) Alternate I (DEC 1991)
52.233-3	Protest after Award (AUG 1996)
52.236-2	Differing Site Conditions (APR 1984)
52.236-3	Site Investigation and Conditions Affecting the Work (APR 1984)
52.236-5	Material and Workmanship (APR 1984)
52.236-6	Superintendence by the Contractor (APR 1984)
52.236-7	Permits and Responsibilities (NOV 1991)
52.236-8	Other Contracts (APR 1984)
52.236-9	Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements (APR 1984)
52.236-10	Operations and Storage Areas (APR 1984)
52.236-11	Use and Possession Prior to Completion (APR 1984)
52.236-12	Cleaning Up (APR 1984)
52.236-14	Availability and Use of Utility Services (APR 1984)
52.236-15	Schedules for Construction Contracts (APR 1984)
52.236-21	Specifications and Drawings for Construction (FEB 1997)
52.236-26	Preconstruction Conference (FEB 1995)
52.242-14	Suspension Of Work (APR 1984)
52.243-4	Changes Alternate II (JUNE 2007)
52.243-5	Changes and Changed Conditions (APR 1984)
52.245-9	Use & Charges (JUL 2010)
52.246-12	Inspection of Construction (AUG 1996)
52.246-21	Warranty of Construction (APR 1984)
52.249-2	Termination for Convenience of the Government (Fixed-Price) (MAY 2004)
	Alternate I (APR 1984)
52.249-10	Default (Fixed-Price Construction) (APR 1984)

The following clauses are set forth in full text:

#### DEPARTMENT OF STATE ACQUISITION REGULATION (DOSAR) CLAUSES

#### 652.204-70 DEPARTMENT OF STATE PERSONAL IDENTIFICATION CARD ISSUANCE PROCEDURES (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent

and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at <http://www.state.gov/m/ds/rls/rpt/c21664.htm> .

(End of clause)

#### CONTRACTOR IDENTIFICATION (JULY 2008)

Contract performance may require contractor personnel to attend meetings with government personnel and the public, work within government offices, and/or utilize government email.

Contractor personnel must take the following actions to identify themselves as non-federal employees:

- 1) Use an email signature block that shows name, the office being supported and company affiliation (e.g. "John Smith, Office of Human Resources, ACME Corporation Support Contractor");
- 2) Clearly identify themselves and their contractor affiliation in meetings;
- 3) Identify their contractor affiliation in Departmental e-mail and phone listings whenever contractor personnel are included in those listings; and
- 4) Contractor personnel may not utilize Department of State logos or indicia on business cards.

(End of clause)

#### 652.242-73 AUTHORIZATION AND PERFORMANCE (AUG 1999)

(a) The contractor warrants the following:

- (1) That it has obtained authorization to operate and do business in the country or countries in which this contract will be performed;
- (2) That it has obtained all necessary licenses and permits required to perform this contract; and,
- (3) That it shall comply fully with all laws, decrees, labor standards, and regulations of said country or countries during the performance of this contract.

(b) If the party actually performing the work will be a subcontractor or joint venture partner, then such subcontractor or joint venture partner agrees to the requirements of paragraph (a) of this clause.

#### 652.243-70 NOTICES (AUG 1999)

Any notice or request relating to this contract given by either party to the other shall be in writing. Said notice or request shall be mailed or delivered by hand to the other party at the address provided in the schedule of the contract. All modifications to the contract must be made in writing by the contracting officer.

**652.229-71 PERSONAL PROPERTY DISPOSITION AT POSTS ABROAD (AUG 1999)**

Regulations at 22 CFR Part 136 require that U.S. Government employees and their families do not profit personally from sales or other transactions with persons who are not themselves entitled to exemption from import restrictions, duties, or taxes. Should the contractor experience importation or tax privileges in a foreign country because of its contractual relationship to the United States Government, the contractor shall observe the requirements of 22 CFR Part 136 and all policies, rules, and procedures issued by the chief of mission in that foreign country.

**652.229-70 EXCISE TAX EXEMPTION STATEMENT FOR CONTRACTORS WITHIN THE UNITED STATES (JUL 1988) - RESERVED**

## I. LIST OF ATTACHMENTS

<u>ATTACHMENT NO.</u>	<u>DESCRIPTION OF ATTACHMENT</u>	<u>NO.PAGES</u>
Attachment 1	Sample of Bank Guaranty	1
Attachment 2	Breakdown of Proposal Price by Divisions of Specifications	2
Attachment 3	Scope Of Work	20
Attachment 4	Drawings	4

## J. QUOTATION INFORMATION

### A. QUALIFICATIONS OF OFFERORS

Offerors must be technically qualified and financially responsible to perform the work described in this solicitation. At a minimum, each Offeror must meet the following requirements:

- (1) Be able to understand written and spoken English;
- (2) Have an established business with a permanent address and telephone listing;
- (3) Be able to demonstrate prior construction experience with suitable references;
- (4) Have the necessary personnel, equipment and financial resources available to perform the work;
- (5) Have all licenses and permits required by local law;
- (6) Meet all local insurance requirements;
- (7) Have the ability to obtain or to post adequate performance security, such as bonds, irrevocable letters of credit or guarantees issued by a reputable financial institution;
- (8) Have no adverse criminal record; and
- (9) Have no political or business affiliation which could be considered contrary to the interests of the United States.

### B. SUBMISSION OF QUOTATIONS

This solicitation is for the performance of the construction services described in SCOPE OF WORK, and the Attachments which are a part of this request for quotation.

Each quotation must consist of the following:

<u>Volume#</u>	<u>Title</u>	<u>No. of Copies*</u>
1	Standard Form 18 including completed Section A.	1
2	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal.	2

The complete quotation shall be submitted at the address indicated on Standard Form 18, if mailed, or the address set forth below, if hand delivered.

**American Embassy  
Gate # 'C'  
Chandragupta Marg  
New Delhi - 110021**

Any deviations, exceptions, or conditional assumptions taken with respect to any of the instructions or requirements of this request for quotation shall be identified and explained/justified in the appropriate volume of the offer.

Volume II: Performance schedule and Business Management/Technical Proposal.

(a) The performance schedule shall be presented in the form of a "bar chart" indicating when the various portions of the work will be commenced and completed within the required contract completion schedule. This bar chart shall be in sufficient detail to clearly show each segregable portion of work and its planned commencement and completion date.

(b) The Business Management/Technical Proposal shall be in two parts, including the following information:

*Proposed Work Information* - Provide the following:

- (1) A list of the names, addresses and telephone numbers of the owners, partners, and principal officers of the Offeror;
- (2) The name and address of the Offeror's field superintendent for this project; and
- (3) A list of the names, addresses, and telephone numbers of subcontractors and principal materials suppliers to be used on the project, indicating what portions of the work will be performed by them. Along with the list of suppliers provide the product data sheets for cabling to be used for this project.
- (4) Bar chart indicating various portions of the work; when work will commence and be completed in each section

*Experience and Past Performance* - List all contracts and subcontracts your company has held over the past three years for the same or similar work. Provide the following information for each contract and subcontract:

- (1) Customer's name, address, and telephone numbers of customer's lead contract and technical personnel;
- (2) Contract number and type;
- (3) Date of the contract award place(s) of performance, and completion dates; Contract dollar value;
- (4) Brief description of the work, including responsibilities;

C. 52.236-27 SITE VISIT (FEB 1995)

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

(b) An organized site visit has been schedule for September 22, 2011 at 11 hours

(c) Participants will meet at American Center, 24-Kasturba Gandhi Marg, New Delhi – 110001.

E. LATE QUOTATIONS. Late quotations shall be handled in accordance with FAR 52.215-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (JAN 2004), which is incorporated by reference into this solicitation.

***652.228-74 DEFENSE BASE ACT INSURANCE RATES – LIMITATION (JUN 2006)] - RESERVED***

## **K. EVALUATION CRITERIA**

Award will be made to the lowest priced, acceptable, responsible quoter. The Government reserves the right to reject quotations that are unreasonably low or high in price.

Acceptability will be determined by assessing the offeror's compliance with the terms of the RFQ. Responsibility will be determined by analyzing whether the apparent successful quoter complies with the requirements of FAR 9.1, including:

- ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;
- satisfactory record of integrity and business ethics;
- necessary organization, experience, and skills or the ability to obtain them;
- necessary equipment and facilities or the ability to obtain them; and
- otherwise qualified and eligible to receive an award under applicable laws and regulations.

**SECTION L - REPRESENTATIONS, CERTIFICATIONS AND OTHER  
STATEMENTS OF OFFERORS OR QUOTERS**

L.1 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions

"Common parent", as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)", as used in this provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d)through (f) of this provision in order to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325 (d), reporting requirements of 26 USC 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 USC 7701( c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) Taxpayer Identification Number (TIN).

TIN: \_\_\_\_\_

- TIN has been applied for.
- TIN is not required because:
- Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;
- Offeror is an agency or instrumentality of a foreign government;
- Offeror is an agency or instrumentality of the Federal Government.

(e) Type of Organization.

- Sole Proprietorship;
- Partnership;

- Corporate Entity (not tax exempt);
- Corporate Entity (tax exempt);
- Government entity (Federal, State, or local);
- Foreign government;
- International organization per 26 CFR 1.6049-4;
- Other \_\_\_\_\_

(f) Common Parent.

Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.

Name and TIN of common parent;

Name \_\_\_\_\_

TIN \_\_\_\_\_

(End of provision)

L.2 52.204-6 CONTRACTOR IDENTIFICATION NUMBER -DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (OCT 2003)

(a) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation “DUNS” or “DUNS+4” followed by the DUNS number or DUNS+4 that identifies the offeror’s name and address exactly as stated in the offer. The DUNS number is a nine-digit number assigned by Dun and Bradstreet Information Services. The DUNS+4 is the DUNS number plus a 4-character suffix that may be assigned at the discretion of the offeror to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11) for the same parent company.

If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. An offeror may obtain a DUNS number-

- If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com>; or
- If located outside the United States, by contacting the local Dun and Bradstreet office.

The offeror should be prepared to provide the following information:

- Company legal business name.
- Tradestyle, doing business, or other name by which your entity is commonly recognized.
- Company physical street address, city, state and Zip Code.
- Company mailing address, city, state and Zip Code (if separate from physical)
- Company telephone number
- Date the company was started.
- Number of employees at your location.

- Chief executive officer/key manager.
- Line of business (industry)
- Company Headquarters name and address (reporting relationship within your entity).

L.3 52.204-8 Annual Representations and Certifications (MAY 2011)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is \_\_\_\_\_ *[Note to Contracting Officer: insert NAICS code].*

(2) The small business size standard is \_\_\_\_\_ *[Note to Contracting Officer: insert size standard].*

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the clause at [52.204-7](#), Central Contractor Registration, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the clause at [52.204-7](#) is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (d) applies.

(ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in ORCA are applicable to this solicitation as indicated:

(i) [52.203-2](#), Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) [52.203-11](#), Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) [52.204-3](#), Taxpayer Identification. This provision applies to solicitations that do not include the clause at [52.204-7](#), Central Contractor Registration.

(iv) [52.204-5](#), Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

- (B) Exceed the simplified acquisition threshold; and
- (C) Are for contracts that will be performed in the United States or its outlying areas.
- (v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations—Representation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, or 2010.
- (vi) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.
- (vii) 52.214-14, Place of Performance—Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.
- (viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.
- (ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.
  - (A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.
  - (B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.
- (x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.
- (xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.
- (xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.
- (xiii) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.
- (xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA–designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.
- (xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA–designated items.
- (xvi) 52.225-2, Buy American Act Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American Act—Free Trade Agreements—Israeli Trade Act Certificate. (Basic, Alternate I, and Alternate II) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$67,826, the provision with its Alternate II applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan—Certification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Engaging in Sanctioned Activities Relating to Iran-Certification. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to—

(A) Solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions; and

(B) For DoD, NASA, and Coast Guard acquisitions, solicitations that contain the clause at 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns.

(2) The following certifications are applicable as indicated by the Contracting Officer:

[*Contracting Officer check as appropriate.*]

\_\_\_ (i) 52.219-22, Small Disadvantaged Business Status.

\_\_\_ (A) Basic.

\_\_\_ (B) Alternate I.

\_\_\_ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

\_\_\_ (iii) 52.222-48, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment Certification.

\_\_\_ (iv) 52.222-52, Exemption from Application of the Service Contract Act to Contracts for Certain Services—Certification.

\_\_\_ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA—Designated Products (Alternate I only).

\_\_\_ (vi) 52.227-6, Royalty Information.

\_\_\_ (A) Basic.

\_\_\_ (B) Alternate I.

\_\_\_ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR CLAUSE #	TITLE	DATE	CHANGE
_____	_____	_____	_____

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(End of provision)

L.4 52.225-18 Place of Manufacture (Sept 2006)

(a) *Definitions*. As used in this clause—

“Manufactured end product” means any end product in Federal Supply Classes (FSC) 1000-9999, except—

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

“Place of manufacture” means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1)  In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2)  Outside the United States.

**L.5. AUTHORIZED CONTRACT ADMINISTRATOR**

If the offeror does not fill-in the blanks below, the official who signed the offer will be deemed to be the offeror's representative for Contract Administration, which includes all matters pertaining to payments.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

**L.6 652.228-70 DEFENSE BASE ACT – COVERED CONTRACTOR EMPLOYEES (JUN 2006)**

(a) Bidders/offerors shall indicate below whether or not any of the following categories of employees will be employed on the resultant contract, and, if so, the number of such employees:

<b>Category</b>	<b>Yes/No</b>	<b>Number</b>
<i>(1) United States citizens or residents</i>		
<i>(2) Individuals hired in the United States, regardless of citizenship</i>		
<i>(3) Local nationals or third country nationals where contract performance takes place in a country where there are no local workers' compensation laws</i>		<i>Local nationals: _____</i> <i>Third Country Nationals: _____</i>
<i>(4) Local nationals or third country nationals where contract performance takes place in a country where there are local workers' compensation laws</i>		<i>Local nationals: _____</i> <i>Third Country Nationals: _____</i>

(b) The contracting officer has determined that for performance in the country of India

- Workers' compensation laws exist that will cover local nationals and third country nationals.

- Workers' compensation laws do not exist that will cover local nationals and third country nationals.

(c) If the bidder/offeror has indicated "yes" in block (a)(4) of this provision, the bidder/offeror shall not purchase Defense Base Act insurance for those employees. However, the bidder/offeror shall assume liability toward the employees and their beneficiaries for war-hazard injury, death, capture, or detention, in accordance with the clause at FAR 52.228-4.

(d) If the bidder/offeror has indicated "yes" in blocks (a)(1), (2), or (3) of this provision, the bidder/offeror shall compute Defense Base Act insurance costs covering those employees pursuant to the terms of the contract between the Department of State and the Department's Defense Base Act insurance carrier at the rates specified in DOSAR 652.228-74, Defense Base Act Insurance Rates – Limitation. If DOSAR provision 652.228-74 is not included in this solicitation, the bidder/offeror shall notify the contracting officer before the closing date so that the solicitation can be amended accordingly.

(End of provision)

L.7 52.225-20 PROHIBITION ON CONDUCTING RESTRICTED BUSINESS OPERATIONS IN SUDAN—  
CERTIFICATION (AUG 2009)

(a) *Definitions.* As used in this provision—

"Business operations" means engaging in commerce in any form, including by acquiring, developing, maintaining, owning, selling, possessing, leasing, or operating equipment, facilities, personnel, products, services, personal property, real property, or any other apparatus of business or commerce.

"Marginalized populations of Sudan" means—

- (1) Adversely affected groups in regions authorized to receive assistance under section 8(c) of the Darfur Peace and Accountability Act (Pub. L. 109-344) ([50 U.S.C. 1701 note](#)); and
- (2) Marginalized areas in Northern Sudan described in section 4(9) of such Act.

"Restricted business operations" means business operations in Sudan that include power production activities, mineral extraction activities, oil-related activities, or the production of military equipment, as those terms are defined in the Sudan Accountability and Divestment Act of 2007 (Pub. L. 110-174). Restricted business operations do not include business operations that the person conducting the business can demonstrate—

- (1) Are conducted under contract directly and exclusively with the regional government of southern Sudan;
- (2) Are conducted pursuant to specific authorization from the Office of Foreign Assets Control in the Department of the Treasury, or are expressly exempted under Federal law from the requirement to be conducted under such authorization;

- (3) Consist of providing goods or services to marginalized populations of Sudan;
- (4) Consist of providing goods or services to an internationally recognized peacekeeping force or humanitarian organization;
- (5) Consist of providing goods or services that are used only to promote health or education;  
or
- (6) Have been voluntarily suspended.

(b) *Certification*. By submission of its offer, the offeror certifies that it does not conduct any restricted business operations in Sudan.

(End of provision)

**L.8. 52.209-2 Prohibition on Contracting with Inverted Domestic Corporations—Representation. (May 2011)**

(a) *Definition*. “Inverted domestic corporation” and “subsidiary” have the meaning given in the clause of this contract entitled Prohibition on Contracting with Inverted Domestic Corporations ([52.209-10](#)).

(b) *Relation to Internal Revenue Code*. An inverted domestic corporation as herein defined does not meet the definition of an inverted domestic corporation as defined by the Internal Revenue Code at [26 U.S.C. 7874](#).

(c) *Representation*. By submission of its offer, the offeror represents that—

- (1) It is not an inverted domestic corporation; and
- (2) It is not a subsidiary of an inverted domestic corporation.

(End of provision)

**L.9. 52.225-25 Prohibition on Engaging in Sanctioned Activities Relating to Iran – Certification (SEP 2010)**

(a) *Definition*.

“Person”—

(1) Means—

- (i) A natural person;
- (ii) A corporation, business association, partnership, society, trust, financial institution, insurer, underwriter, guarantor, and any other business organization, any other nongovernmental entity, organization, or group, and any governmental entity operating as a business enterprise; and

(iii) Any successor to any entity described in paragraph (1)(ii) of this definition; and

(2) Does not include a government or governmental entity that is not operating as a business enterprise.

(b) *Certification*. Except as provided in paragraph (c) of this provision or if a waiver has been granted in accordance with FAR 25.703-2(d), by submission of its offer, the offeror certifies that

the offeror, or any person owned or controlled by the offeror, does not engage in any activities for which sanctions may be imposed under section 5 of the Iran Sanctions Act of 1996. These sanctioned activities are in the areas of development of the petroleum resources of Iran, production of refined petroleum products in Iran, sale and provision of refined petroleum products to Iran, and contributing to Iran's ability to acquire or develop certain weapons.

(c) *Exception for trade agreements.* The certification requirement of paragraph (b) of this provision does not apply if—

(1) This solicitation includes a trade agreements certification (*e.g.*, [52.225-4](#), [52.225-11](#) or comparable agency provision); and

(2) The offeror has certified that all the offered products to be supplied are designated country end products or designated country construction material.

(End of provision)



**ATTACHMENT 2  
BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS\***

<b>SUPPLY &amp; INSTALLATION FOR UPGRADE OF IT INFRASTRUCTURE AT AMERICAN CENTER, K G MARG, NEW DELHI</b>					
<b>S. No.</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Qty.</b>	<b>Rate</b>	<b>Amount</b>
<b>A</b>	<b><u>Supply of Passive Components.</u></b>				
1	CAT 6 - 4pair UTP cable	Boxes	14		
2	CAT 6 – I.O. Jack	Nos	100		
4	Faceplate	Nos	100		
5	Back Box	Nos	100		
6	CAT 6 - 24port Patch panel	Nos	21		
7	CAT 6 - Patch cord - 3ft - Rack End	Nos	264		
8	CAT 6 - Patch cord - 7ft - User End	Nos	100		
9	Cable Manager	Nos	21		
10	Cable Tie With Tag	PKT	25		
11	Ferrule (A -Z & 0-9)	PKT	20		
12	Rack Hardware	PKT	10		
13	Power Device Unit For Rack	Nos	7		
14	12U Rack	Nos	5		
15	LIU For Arranging Fiber Coupler (6- Port)	Nos	6		
16	50 X 50 PVC Channel with Cover & accessories	Mtrs	120		
17	50 X 100 PVC Channel with cover & accessories	Mtrs	60		
<b>B</b>	<b><u>Implementation charges</u></b>				
18	4pair UTP cable laying charges	Mtrs	4270		
19	Information Outlet termination Charges	Nos	100		
20	Patch panel Termination Charges	Nos	21		
21	New Rack installation charges	Nos	5		
22	Old Rack Servicing	Nos	5		
23	PVC Channel laying charges	Mtrs	180		
24	Testing of UTP with scanner	Nos	200		
25	Identification & Panduit Self Laminated labelling of patch cord & I/O	Nos	250		
26	Implementation Charges for Project Management, Dressing/ Cleaning of Network cabling, Documentation & Certification of both the networks,	Job	1		
27	Repair and patch work	<b>1 complete job</b>			
		<b>Total</b>			
		<b>VAT</b>			
		<b>GRAND TOTAL</b>			

**\*The contractor is responsible to field measure and to quantify the required materials and tasks as to complete the project per attached scope of work.**

**Assumptions**

- 1 The average length of UTP cables to the workstations has been assumed as 42.5 mts
  - 2 100 nos new / replaced UTP connections along with new I.O. and face plates have been assumed.
  - 3 Existing Coupler for terminating the Fiber Cables shall get replaced with integrated coupler/LIU.
  - 4 Work to be carried out largely during Non working Hours.
  - 5 Drilling will be allowed wherever required.
- During change of cable, I/O testing etc. IT networks will get temporarily disturbed

**ATTACHMENT 3  
SCOPE OF WORK**

**SITE SURVEY & DESIGN REPORT**

**DATA & INTERNET INFRASTRUCTURE PROJECT  
AT  
AMERICAN CENTER, NEW DELHI**

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## INTRODUCTION

The purpose of this effort is to identify the specifications and requirements for the design and of a schematic of all data/Internet infrastructures at the U.S. Embassy, American Center (AMC).

A review and update is required for all existing cabling infrastructure at the AMC's building and compound offices. The exercise encompasses, but is not limited to, careful mapping & survey of copper and fiber optic (FO), copper and fiber backbone cable, copper and fiber horizontal distribution cable, workstation outlets, racks, cable management, patch panels, cable tray, cable ladder, conduits, grounding on the enclave grounds.

Site: The American Center (AMC) address:

The American Library,  
American Center, 24 Kasturba Gandhi Marg,  
Connaught Place,  
New Delhi 110 001  
India



011 23316841  
Open Weekdays 11am-6pm

## **SITE SURVEY REPORT:**

The premises of U.S. Embassy, American Center (AMC) has a Basement, Ground + Five storeys.

The building compound has multiple wire closets and paths and in addition to the main building has additional offices located on the compound. In the AMC compound there are currently multiple networks serving the various departments operating out of the AMC premises.

The Scope of this exercise is limited to survey of the OPN & PDNet networks. The 2 networks are independent of each other, sharing only the Vertical shaft and Switch mounting racks etc. The networks have grown organically with additional nodes being created over various periods of time as and when the need arose.

The details of the existing network are as follows:

### **SERVER ROOM:**

The Servers for both OPN & PDNet networks are located in a server room on the 5<sup>th</sup> Floor of the building. The OPN servers are housed in 2 adjoining Racks and the PDNet is housed in an independent Rack. The server room does not have a raised floor and the cables are travelling on the walls, floor and also hanging in mid air.

The Fiber optic patch cables (3Nos), originating from the OPN Network Server, are terminated through a patch panel/ cable manager into a 48 port Switch mounted in the Server Rack. The user end Cat 5/ 5E/ 6 UTP cables for this network on the 5<sup>th</sup> floor are also currently terminating into this switch through a patch panel/ cable manager.

The Fiber optic patch cables (3Nos), originating from the PD Network Server, are currently terminated directly into a 24 port Switch without a patch panel / cable manager. The user end Cat 5/ 5E/ 6 UTP cables for this network on the 5<sup>th</sup> floor are also currently directly terminating into this switch. This switch is not mounted in a rack currently.

### **VERTICAL DISTRIBUTION:**

For each network, the Servers have independent 2 port Fiber optic patch cables outgoing to the various floors travelling through a Electrical shaft located next to the Stair no. 1 from where they terminate into 24/48 port Switches located on various floors through a coupler.

### **FLOOR DISTRIBUTION:**

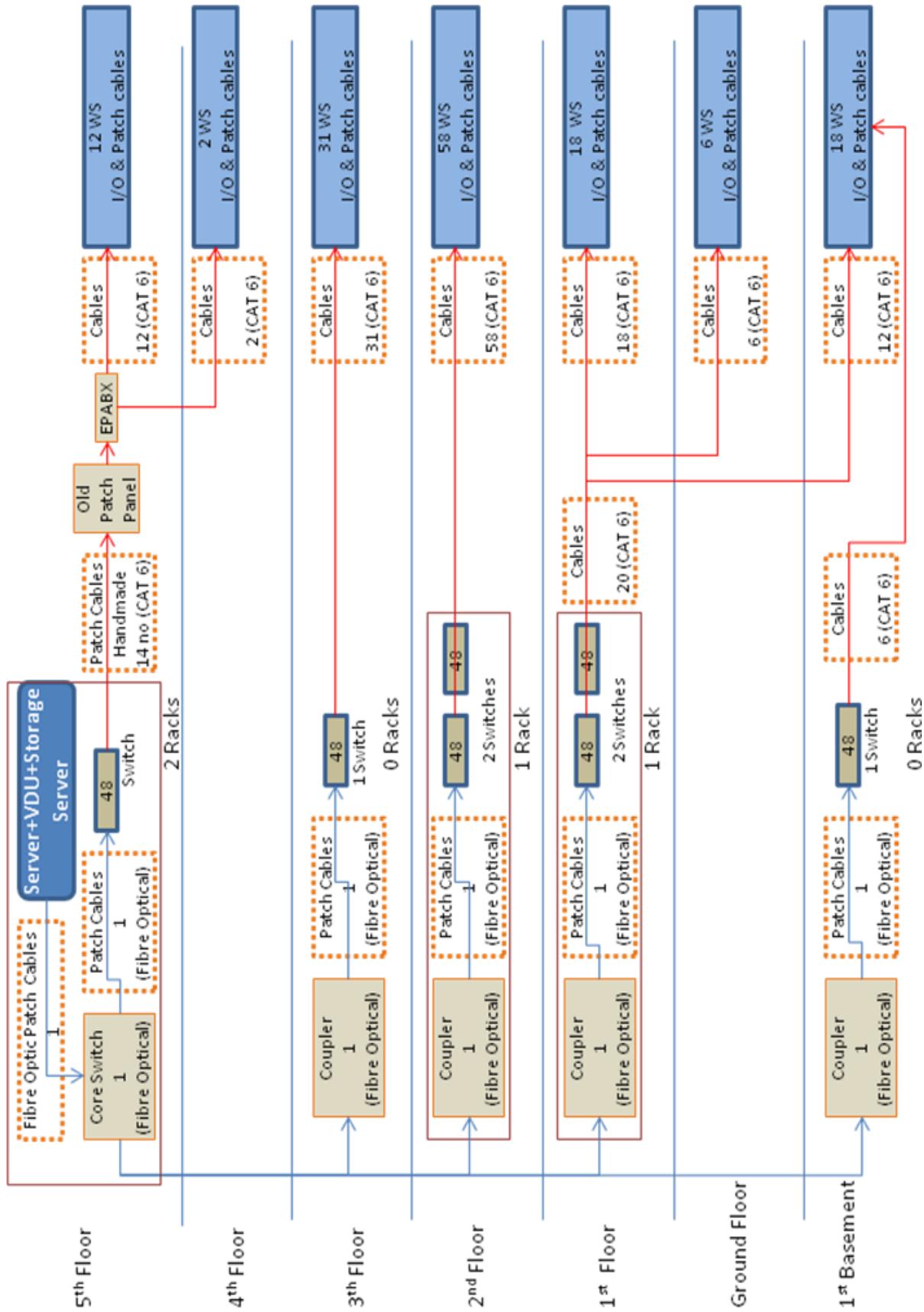
The Floor distribution 24/48 port Switches for both the networks are located largely in the adjoining Work room/ Freight elevator lobby on each floor. These Switches are housed in racks at the first and second floors while on the other floors they are simply mounted on the wall etc. As a measure to provide security to these switches, woven steel meshes in lockable wooden framework have been provided.

From each of the 24/48 port Switch, Cat 5/ 5E/ 6 UTP cables have been laid up to the I.O.'s located at the user work stations. Certain floors do not have independent Switches and are being served by a Switch located on the nearest floor above or below. The UTP cables terminate into the switches directly without a patch panel interface. They are not dressed properly at most places and are hanging from the wall up to the switch. These UTP cables are a mix of Cat 5/ 5E/ 6 as they have been laid at different times as the need arose. New UTP cables for the OPN Network on the 2<sup>nd</sup> Floor have been brought close to the Switch location and is yet to be dressed and terminated on the Switch end.

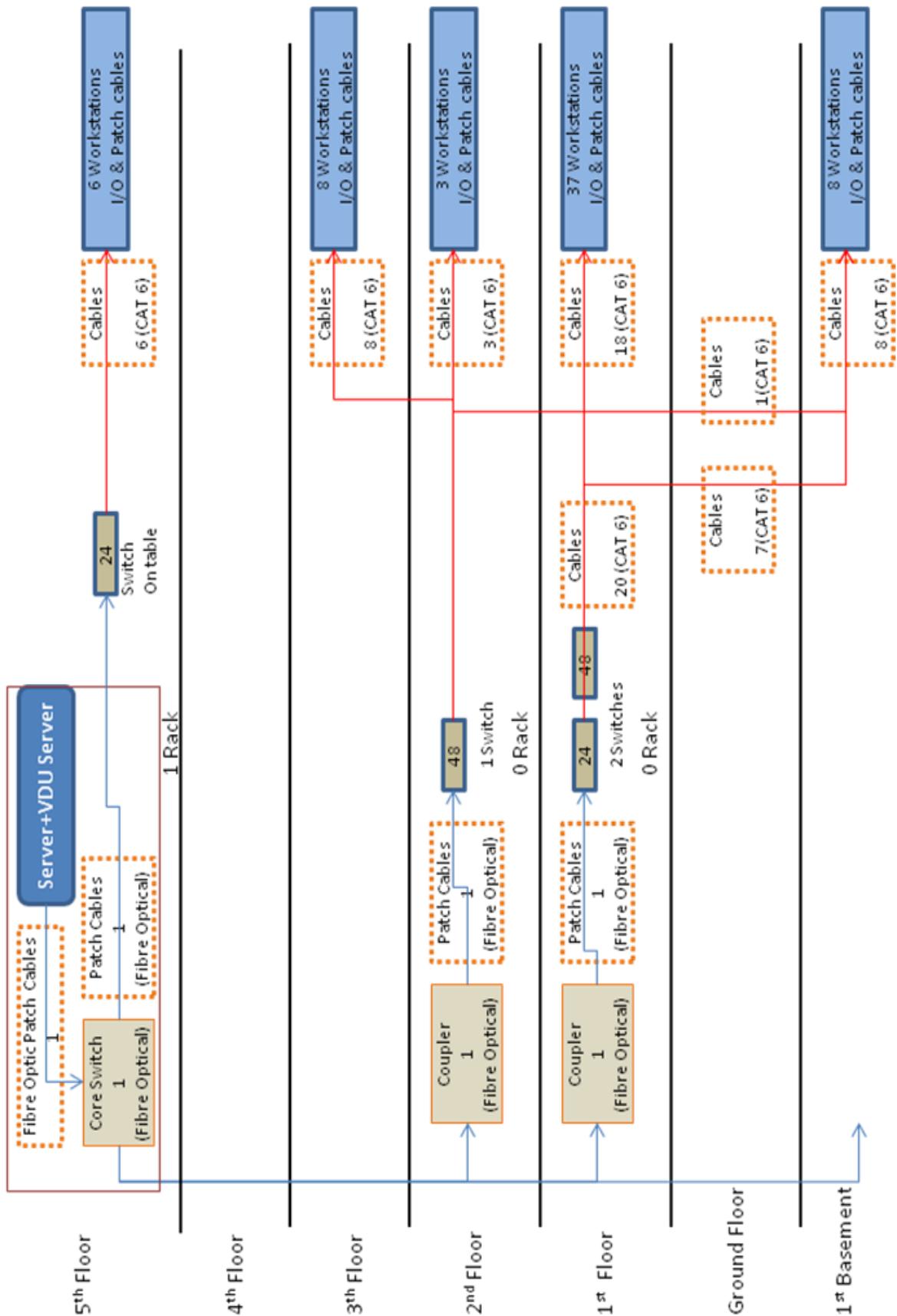
These UTP cables are running largely above the false ceiling on cable trays & conduits etc. A broad inspection reveals that the segregation of data cables from other electrical cables has not been properly maintained at a lot of places. The cables are lying loose on top of cable trays at certain places exposing them to the potential risk of getting damaged.

A schematic diagram showing the existing connections for both the networks are annexed herewith.

# Existing OPN Net network SLD



# Existing PD Net network SLD



## **RECOMMENDATIONS:**

### **SERVER ROOM:**

- Provide a new wall mounted 12U rack along with Jack Panels & Wire manager to house the switch for the PDNet network.
- Provide PVC channels with cover on the walls and floor for housing all cables originating/ terminating into the 2 networks.
- Service the existing Racks and neatly dress all cables originating/ terminating into the 2 networks.
- New Patch cables to be provided wherever required.
- Colour coding to be followed to allow ease in identifying all components on a particular network.

### **VERTICAL DISTRIBUTION:**

- Provide PVC channels with cover on the walls and ceiling for housing all Fiber optic patch cables & UTP cables travelling through the Electrical shaft located next to the Stair no. 1 from where they terminate into 24/48 port Switches located on various floors through a LIU coupler.

### **WORK ROOM & WORK STATIONS (VARIOUS FLOORS):**

- Provide LIU with coupler to terminate Fiber optic patch cables at each location.
- Provide new 12U Racks wherever missing. These are to be kept separate for both networks.
- Provide 24 port Patch panels with Cable managers equivalent to the Switch capacity for terminating/ managing all user end UTP cables.
- Provide PVC channels with cover on the walls for housing all Fiber optics / UTP cables originating/ terminating into the Switches.
- Reroute the outgoing cable connection from various switches as per user requirements.
- New Patch cables to be provided wherever required.
- Punch all existing / new terminations into the patch panel.
- Provide additional Cat 6 UTP cable connections wherever required as per user requirements.
- Test existing UTP with scanner and replace all faulty/ old UTP cables.
- New I.O. switches and face plates to be provided for all new/ replaced UTP Cables.

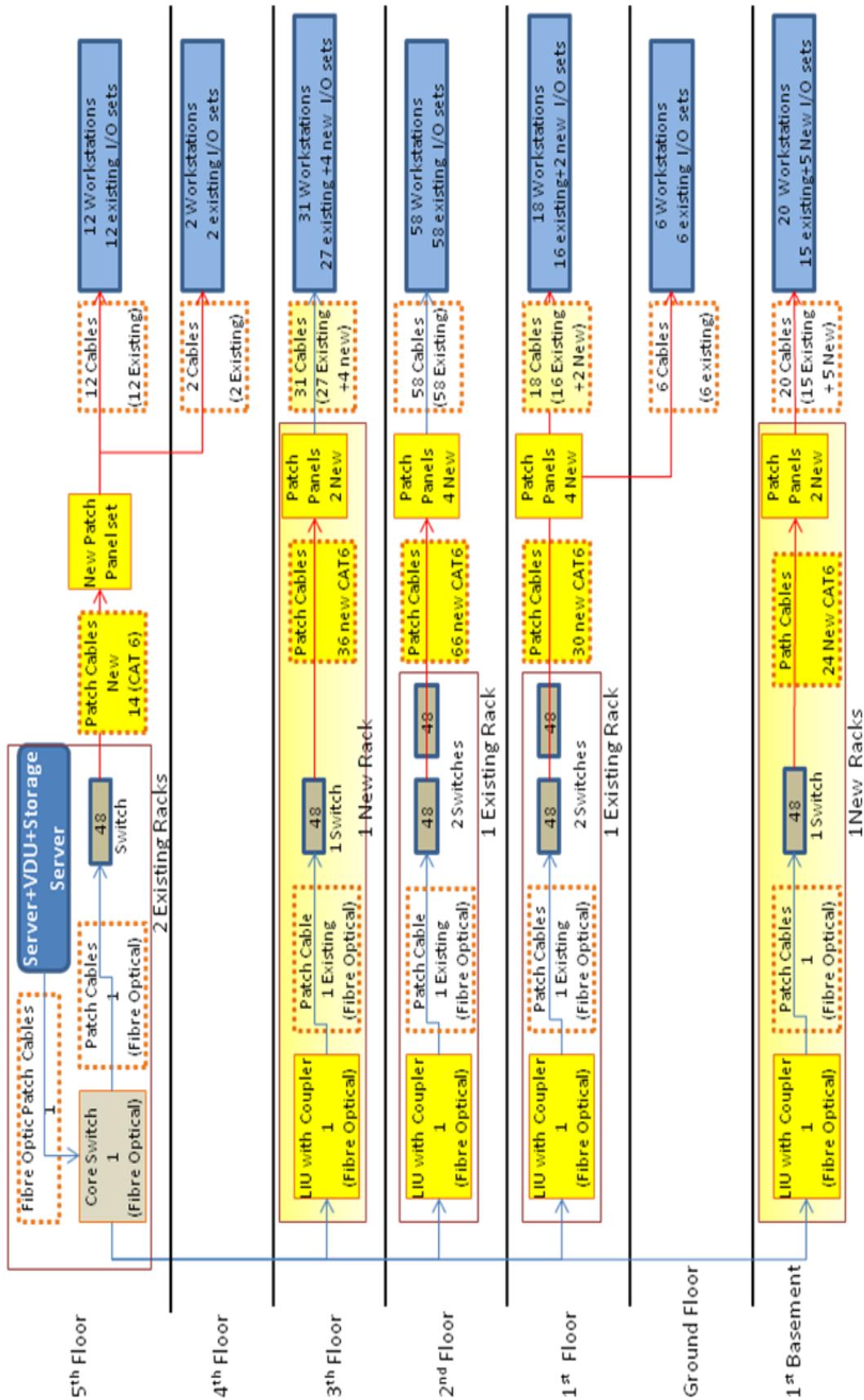
### **GENERAL (VARIOUS FLOORS):**

- Pulling and drawing existing reusable Cables to their new locations and routes, cutting, punching, crimping and termination etc. as the case maybe.
- Identification & labelling of patch cables & I/O using “Panduit” Innovative Turn-Tell™ Labels or equivalent. These labels improve visibility, placement, aesthetics, and flexibility of the labelling application. These labels can rotate on the wire/cable after installation to allow visibility from any angle. In addition, they allow repositioning along the length of the cable which further improves ease of installation and flexibility in high density or space restrained applications. Installers will save time and material by being able to reposition the label after pulling the wire/ cable and cutting it to final length for termination.
- Test the complete installation, document it and provide compliance certification.

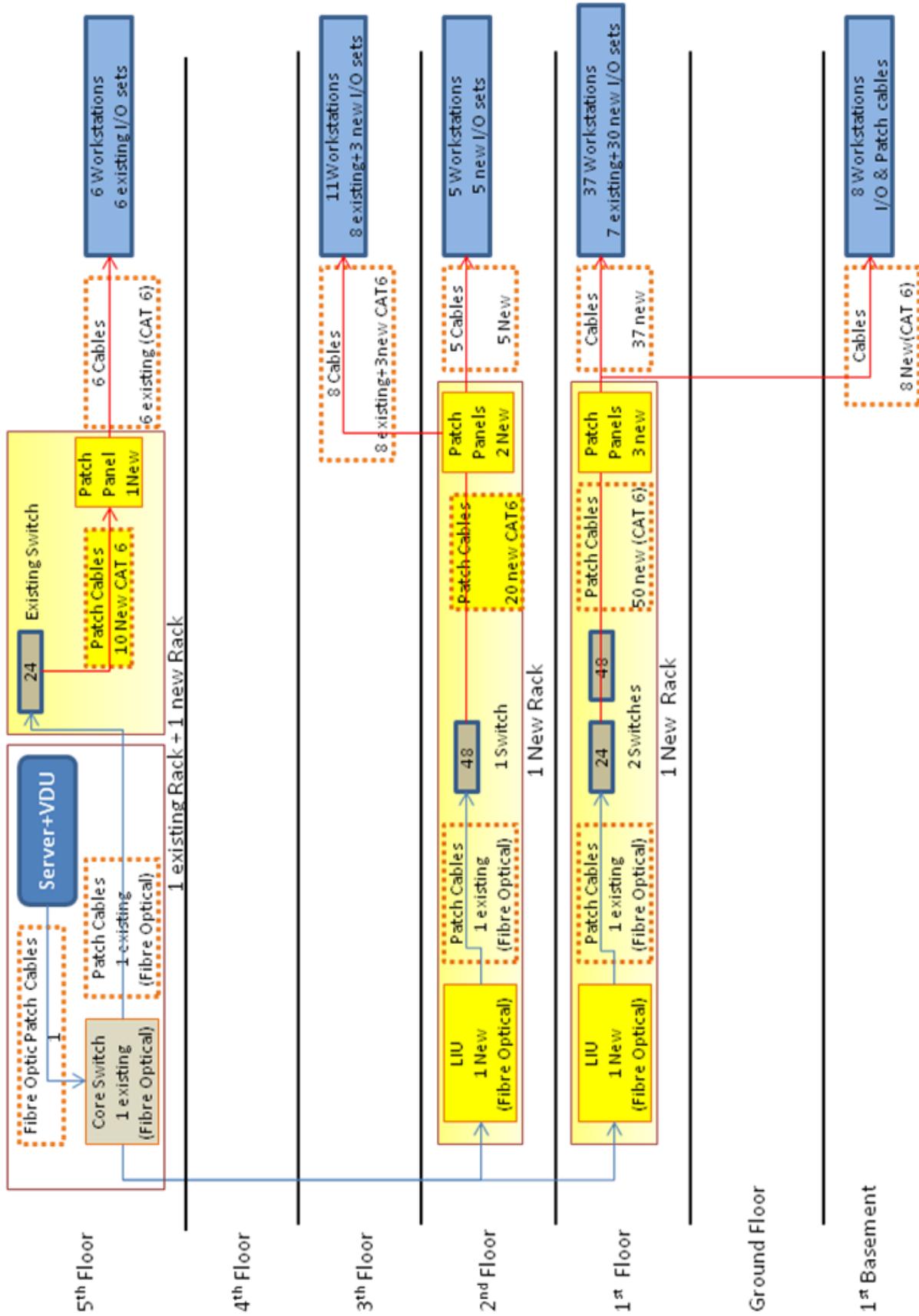
### **PHASING/ IMPLEMENTATION PLAN:**

- Assuming that the work shall be carried out largely during non-working hours, it is estimated that the whole activity for cleaning, dressing of Networking Cables including supply of additional components as detailed in the BOM can be completed in 3 to 4 weeks. The work should be carried out Floor by floor ensuring minimum disruption of Work.
- A schematic diagram showing the proposed connections for both the networks is annexed herewith.

# Proposed OPEN Net network SLD



# Proposed PD Net network SLD



**TECHNICAL DATA SHEETS:**

**ANNEXURE-1 –WALL MOUNT RACKS (Single / Double Section)**



For applications where minimum components of networking need to be enclosed, the right choice would be from a wide range of table top racks which in case of space demand are wall mountable too. Single section and double section models to support high loads and to provide for neat structured cabling are available in various heights ranging from 4U to 18U. Wall mount racks can be supplied in Completely Knock Down (CKD) condition also.

**Features:**

- Front section with tinted glass door with lock and key.
- Maximum load rating up to 50Kgs.
- 19" Horizontal power distribution box (Indigenous / Imported).
- 19" horizontal cable manager of 1U and 2U height.
- 19" cantilever shelves of 1U and 2U height.
- Vented top plate and louvered sides for optimal air flow and heat dissipation.
- Front door with lock and toughened glass / Acrylic view panel.
- Load Bearing Capacity:** Maximum load rating up to 50Kgs.
- Powder Coating:** Durable and attractive Epoxy powder coat finish.

Description	Features
Main Frame Enclosure	Steel folded
Standard Equipment Mounting	DIN Standard.9.5mm Sq. Slots
Standard Finish	Texture Powder Coating Finish - 60-90 microns
Standard Colour	RAL 7035
Standard	Conforms to DIN 41494 & IEC 297 Spec.
Manufacturing Standard	ISO 9001: 2000

## ANNEXURE-2 – CABLE MANAGER

AMP Cable Manager  
58329-1 Cut Sheet

Cable Management Panel, Horizontal Ringed, 1U (1.75 in) x D 3.50 in x W 19.0 in



### Table of Contents

1. Part Numbers

### Part Number Information

Part Number	Description	RoHS Compliance
558329-1	Cable Management Panel, Horizontal Ringed, 1U (1.75 in) x D 3.50 in x W 19.0 in	 ALWAYS EU ROHS/ELV COMPLIANT

**ANNEXURE-3 – LIU COUPLER HOLDING UNIT**

**AMP- 1U Rack Mount Patch Enclosures**



- Accept three (3) snap-in adapter plates or MPO cassettes
- Slide and tilt drawer
- Quick release front panel
- Forward, flush or recessed mounting
- Fit standard 19 inch racks
- Include fiber management rings
- Standard cable enclosure includes cable strain relief
- Armored and multiple trunk cable enclosure includes:

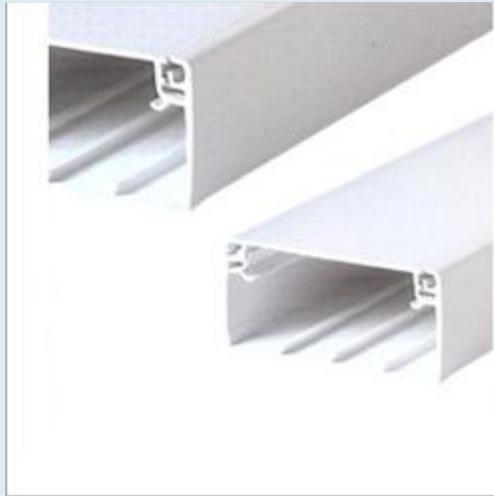
Special design to hold armored or multiple trunk cable in place  
 large rear cable entry with tie down brackets that can be mounted inside or outside of enclosure

Part Number Descriptions	Variation Description	Part Numbers
Optical Fiber Rack Mount Enclosure, 1U (1.75 in) x 19 in, Black, for Armored and Trunk Cables, Unloaded		<b><u>1435555-1</u></b>

## ANNEXURE-4 – CABLE MANAGEMENT SYSTEM

**AKG EXTRUSIONS PVT. LTD.**

### **PVC Cable Management Systems**



**Product Code : 12**

#### **Product Specification**

##### **Applications:**

- Designed to enclose power, data and telecommunication cables in commercial and other similar establishment.
- Integrated cable distribution solutions that are versatile and easy to install that offers time saving cable distribution solutions.
- Flexibility of availing outlets whenever and wherever required along its length.

##### **Product Range:**

PVC Cable Management Systems are available in sizes of 50 x 50mm, 100 x 50mm, 75x75 and 150x50mm with series of type A & Type B.

##### **Accessories:**

End cap and partition available in the series of type A & type B.

#### **Other Products in 'PVC Cable Management Systems' category**



**Duct Wall**  
**150mmx50mm**  
**HXD**



**Duct Wall**  
**50x50 HXD**

## ANNEXURE-5 – FLUSH PLATE

### AMP 1479443-X Cut Sheet, Flush Faceplate, 1-Port



#### Part Number Information

Part Number	Description	
1479443-X	Flush Faceplate, 1-Port	
Variation Description	Color	RoHS Compliance
1479443-1	Almond	CONVERTED TO EU ROHS/ELV COMPLIANT
1479443-2	Black	CONVERTED TO EU ROHS/ELV COMPLIANT
1479443-3	White	CONVERTED TO EU ROHS/ELV COMPLIANT
1479443-4	Gray	CONVERTED TO EU ROHS/ELV COMPLIANT
1-1479443-1	Electrical Ivory	CONVERTED TO EU ROHS/ELV COMPLIANT

### AMP 1479444-X Cut Sheet, Flush Faceplate, 2-Port



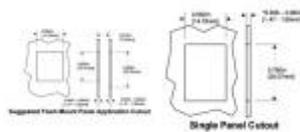
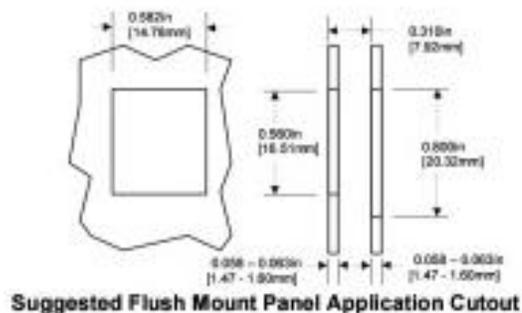
#### Part Number Information

Part Number	Description	
1479444-X	Flush Faceplate, 2-Port	
Variation Description	Color	RoHS Compliance
1479444-1	Almond	<u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>
1479444-2	Black	<u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>
1479444-3	White	<u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>
1479444-4	Gray	<u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>
1-1479444-1	Electrical Ivory	<u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>

## ANNEXURE-6 –MODULAR JACK

### AMP-375055-X Cut Sheet

**Modular Jack, Category 6, SL Series, 110Connect, T568A/T568B Wiring, Unshielded**



### Part Number Information

Detail	Data	
<b>Description</b>	Modular Jack	
<b>TIA/EIA Category</b>	6	
<b>Form Factor</b>	SL Series	
<b>Termination Style</b>	110Connect	
<b>Wiring Pattern(s)</b>	T568A/T568B	
<b>Shielding</b>	Unshielded	
Variation Description	Color and Packaging	RoHS Compliance
<b>1375055-1</b>	Almond, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-2</b>	Black, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-3</b>	White, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-4</b>	Gray, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-5</b>	Orange, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-6</b>	Blue, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-7</b>	Red, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-8</b>	Yellow, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1375055-9</b>	Green, 1 Jack per Bag, 25 Bags per Carton	<a href="#">CONVERTED TO EU</a>

		<a href="#">ROHS/ELV COMPLIANT</a>
<b>1-1375055-0</b>	Violet, 1 Jack per Bag, 25 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>1-1375055-1</b>	Electrical Ivory, 1 Jack per Bag, 25 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-1</b>	Almond, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-2</b>	Black, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-3</b>	White, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-4</b>	Gray, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-5</b>	Orange, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-6</b>	Blue, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-7</b>	Red, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-8</b>	Yellow, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>2-1375055-9</b>	Green, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>3-1375055-0</b>	Violet, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>
<b>3-1375055-1</b>	Electrical Ivory, 25 Jacks per Bag, 4 Bags per Carton	 <a href="#">CONVERTED TO EU ROHS/ELV COMPLIANT</a>

### Description

AMP NETCONNECT Category 6 SL Series 110Connect Modular Jacks exceed TIA/EIA-568-B.2-1 and ISO/IEC 11801 requirements for Category 6/Class E component performance. The AMP NETCONNECT Category 6 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-TX), 10 and 100BASE-TX, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video, and analog and digital voice (VoIP).

AMP NETCONNECT Category 6 SL Series 110Connect Modular Jacks have a slim profile and are compatible with SL Series and 110Connect faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. The modular jacks are available with and without integral dust covers and in a shielded version as well. Cables may be dressed at either 180° (rear) or 90° (either side) for added flexibility; shielded Modular Jacks have special shields to support this option. Patented bend-limiting strain relief may also be used to reduce stress on cable at point of termination and is included with each unshielded Modular Jack. SL Series 110Connect Modular Jacks are available in almond, black, white, gray, orange, blue, red, yellow, green, violet, and electrical ivory (see part number table for color samples).

### Specification

Modular jacks shall be unkeyed, unshielded, 4-pair, RJ-45, and shall fit in a .790" X .582" opening. Modular jacks shall terminate using 110-style pc board connectors, color-coded for both T568A and T568B wiring. Each modular jack shall be wired to [\[T568A or T568B\]](#). The 110-style insulation displacement connectors shall be capable of terminating 22-24 AWG solid or 24 AWG stranded conductors. The insulation displacement contacts shall be paired, with additional space between pairs, to improve crosstalk performance. Modular jacks shall utilize a secondary PC board, separate from the signal path, for crosstalk compensation. Each modular jack shall meet the TIA/EIA-568-B.2-1, Category 6 performance standards and the requirements listed in the following table.

[\[include Performance Characteristics table here\]](#)

Modular Jacks shall be compatible with AMP NETCONNECT SL Series Termination Tool part number 1725150-1.

Each modular jack shall be provided with a bend-limiting strain relief. The strain relief shall provide cylindrical support to limit the bend radius at the point of termination. Modular jacks shall be UL Listed under file number E81956. Modular jacks shall be AMP NETCONNECT part number 1375055-X (X denotes color, see part number table) and be [almond, black, white, gray, orange, blue, red, yellow, green, violet, or electrical ivory] in color.

### Performance Data

Worst-Case Performance Characteristics (exceed EIA/TIA and ISO/IEC Category 6/Class E requirements)

Frequency MHz	Insertion Loss (dB)		Return Loss (dB)		NEXT (dB)		FEXT (dB)	
	Category 6 Standard	Max	Category 6 Standard	Min	Category 6 Standard	Min	Category 6 Standard	Min
1	0.10	0.02	30	52.4	75.0	84.8	75.0	83.7
4	0.10	0.02	30	53.7	75.0	80.3	71.1	74.8
8	0.10	0.02	30	55.3	75.0	77.4	65.0	69.4
10	0.10	0.03	30	56.1	74.0	76.4	63.1	67.5
16	0.10	0.03	30	57.6	69.9	72.0	59.0	62.9
20	0.10	0.04	30	59.3	68.0	71.9	57.1	61.7
25	0.10	0.04	30	59.4	66.0	69.1	55.1	59.8
31.25	0.11	0.05	30	56.8	64.1	67.7	53.2	58.2
62.5	0.16	0.06	28	42.3	58.1	61.5	47.2	52.6
100	0.20	0.06	24	33.2	54.0	57.7	43.1	48.7
200	0.28	0.06	18	21.2	48.0	52.5	37.1	42.2
250	0.32	0.10	16	17.4	46.0	47.9	35.1	40.1

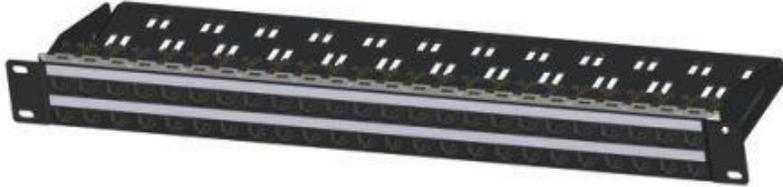
### Technical Data

Detail	Data
<b>Materials</b>	Jack Housing - Polyphenylene oxide, 94V-0 rated 110 Block and Bend Limiting Strain Relief - Polycarbonate Array Tray - PBT Polyester Jack Contacts Array - Beryllium Copper, plated with 1.27 µm [0.000050 in] minimum thick gold in localized area and 3.81 µm [0.000150 in] minimum thick matte tin in solder area over 1.2 µm [0.000050 in] minimum thick nickel underplate IDC Terminals - Phosphorous bronze plated with 3.81 µm [0.000150 in] minimum thick matte tin over 1.2 µm [0.000050 in] minimum thick nickel underplate
<b>Accepts</b>	22 - 24 AWG solid and 24 - 26 AWG stranded conductors with 0.27 mm [0.050 in] maximum insulation diameter. Jacks will accept conductors with insulation diameters of up to 1.45 mm [0.057 in] but require the use of a strain relief.
<b>Mounting</b>	Mounts in panels 1.47 mm [0.058 in] to 1.60 mm [0.063 in] thick
<b>Suggested Cut Out (Flush Mount)</b>	Front - 14.78 mm [0.582 in] W x 16.51 mm [0.650 in] H Rear - 4.78 mm [0.582 in] W x 20.07 mm [0.790 in] H
<b>Suggested Cut Out (Single Panel)</b>	4.78 mm [0.582 in] W x 20.07 mm [0.790 in] H
<b>Package Quantity</b>	Individual jacks are packaged 1 per polybag. Bulk packaging consists of 25 jacks per bag.
<b>Instruction Sheet</b>	For termination using the SL Series Termination Tool, refer to 408-8858. For termination using standard 110 Tools, refer to 408-8417.

## ANNEXURE-7 – PATCH PANEL

### AMP -1375014-2 Cut Sheet

SL Series Patch Panel, Category 6, Unshielded, 24-Port, Straight, 1U (1.75 in) x 19.0 in, jacks bagged separately



#### Table of Contents

##### 1. Part Numbers

#### Part Number Information

Detail	Data
Description	Twisted Pair Patch Panel
TIA/EIA Category	Category 6
Modular Jack Form Factor	SL Series
Shielding	Unshielded
Port Count	24
Panel Footprint	Standard (Flat) Face
Dimensions	1U (1.75 in) x 19.0 in
Modular Jack Packaging	jacks bagged separately
RoHS Compliance	 <u>CONVERTED TO EU ROHS/ELV COMPLIANT</u>

## ANNEXURE-8 – PATCH CABLES

### AMP - Category 6 Patch Cable Assemblies

#### Table of Contents

Category 6 Patch Cable Assemblies Information, and Part Numbers

#### Features & Benefits



- Meet or exceed Category 6 performance standard
- 4-pair stranded unshielded or shielded, 24 AWG conductors
  - Non-plenum (CM rated)
  - Color matched snagless boots
  - Universal wiring (T568A/T568B)
  - Lead-free (no heavy metals)

Part Number Descriptions	Variation Description	Part Numbers
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Black</u>	Length	<b><u>219884-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Gray</u>	Length	<b><u>219885-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Blue</u>	Length	<b><u>219886-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Green</u>	Length	<b><u>219887-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Red</u>	Length	<b><u>219888-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, White</u>	Length	<b><u>219889-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Yellow</u>	Length	<b><u>219890-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Orange</u>	Length	<b><u>219891-X</u></b>
<u>Category 6 Patch Cable Assembly, Booted, Unshielded, Violet</u>	Length	<b><u>1499023-X</u></b>

## ANNEXURE-9 – UTP CABLE

### AMP - 219560-X Cut Sheet

Category 6 UTP Cable, 4-Pair, CMR (Riser Rated)



#### Part Number Information

Detail	Data	
<b>Description</b>	Cable	
<b>Category</b>	Category 6	
<b>UL/NEC Rating</b>	CMR (Riser Rated)	
<b>Pair Count</b>	4-Pair	
<b>Shielding</b>	UTP	
Variation Description	Jacket Color and Packaging	RoHS Compliance
<b>219560-1</b>	White, 1000ft Wooden Reel	ALWAYS EU ROHS/ELV COMPLIANT
<b>219560-2</b>	White, 1000ft Reel-in-a-Box	CONVERTED TO EU ROHS/ELV COMPLIANT
<b>219560-3</b>	Gray, 1000ft Wooden Reel	ALWAYS EU ROHS/ELV COMPLIANT
<b>219560-4</b>	Gray, 1000ft Reel-in-a-Box	CONVERTED TO EU ROHS/ELV COMPLIANT
<b>219560-5</b>	Blue, 1000ft Wooden Reel	ALWAYS EU ROHS/ELV COMPLIANT
<b>219560-6</b>	Blue, 1000ft Reel-in-a-Box	CONVERTED TO EU ROHS/ELV COMPLIANT
<b>219560-7</b>	Yellow, 1000ft Wooden Reel	ALWAYS EU ROHS/ELV COMPLIANT
<b>219560-8</b>	Yellow, 1000ft Reel-in-a-Box	CONVERTED TO EU ROHS/ELV COMPLIANT

#### Description

AMP NETCONNECT Category 6 cables exceed TIA/EIA-568-C Category 6 and ISO/IEC 11801 Class E performance requirements by significant margins on all parameters. The AMP NETCONNECT Category 6 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-Tx), 10/100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video and analog and digital voice (VoIP).

AMP NETCONNECT Category 6 UTP cables are available in both plenum and non-plenum, with standard colors including white, gray, blue and yellow. Category 6 Cables from AMP NETCONNECT feature lead-free jacketing. Packaging is either on bulk reels or in a reel-in-box, with standard put-ups being 1000ft splice-free lengths.

#### Specification

Horizontal cabling shall be 23 AWG, 4-pair UTP, NEC/NFPA CMR rated and be independently verified for compliance. Cable jacketing shall be [white, gray, blue or yellow] and shall be lead-free. Cable shall exceed all TIA/EIA and ISO Category 6/Class E requirements as well as meet the performance requirements listed in the following table:

[include Performance Characteristics tables listed below].

Cable performance shall be independently verified and characterized to 600 MHz. Cable shall be supplied [on wooden reels or in a reel-in-box]. Independent verification for flammability compliance shall be to NEC article 800 and NFPA 70; CMR (ANSI/UL 1666, IEC 332-1). Horizontal cable shall be AMP NETCONNECT part number 219560-X.

**Technical Data**

Detail	Data
<b>Mutual Capacitance</b>	5.6nF/100m nominal
<b>Characteristic Impedance</b>	100Ω, ±15%, 1 - 600MHZ
<b>Conductor DC Resistance</b>	66.58Ω/km maximum
<b>Voltage</b>	300VAC or VDC
<b>Delay Skew</b>	45ns
<b>Propagation Delay</b>	536ns/100m @ 250MHz
<b>Nominal Velocity of Propagation</b>	69%
<b>Operating Temperature</b>	-20° C to 60° C (-4° to 140° F)
<b>Storage Temperature</b>	-20° C to 80° C (-4° F to 176° F)
<b>Bend Radius</b>	(4 × cable diameter) ≈ 1 inch
<b>Packaging</b>	1000ft Reel-in-a-Box - 26 lbs/kft
<b>Packaging</b>	1000ft Wooden Reel 26 lbs/kft
<b>Material</b>	Jacket – 0.025in nominal (ø.230 nominal), PVC
<b>Material</b>	Insulation – 0.0097in (ø.042 nominal), Polyethylene
<b>Material</b>	Conductors – 23 AWG, Solid Copper, (ø.0226 nominal)
<b>Approvals</b>	Performance – ETL Verified to TIA/EIA-568-B.2-1 “Performance Specifications for 4-Pair 100 Ohm Category 6 Cabling”
<b>Approvals</b>	Safety – ETL LISTED for safety to CMR – (UL 1666, IEC 332-1)

**ANNEXURE-10 – G.I. CONDUITS – BEC INDUSTRIES**



<b>Nominal Size of Conduits (in mm)</b>	<b>Outside Diameter (in mm)</b>	<b>Tolerance in outside Diameter (in mm)</b>	<b>Wall thickness of Conduits (Range in mm)</b>
20	20	0-0.3	1.4 to 1.8
25	25	0-0.4	1.4 to 1.8
32	32	0-0.4	1.4 to 1.8
40	40	0-0.4	1.6 to 2.2
50	50	0-0.5	1.6 to 2.2

**ATTACHMENT # 4  
DRAWINGS**

***DRAWINGS SHALL BE PROVIDED DURING THE TIME OF  
WALK THROUGH / SITE VISIT***